



## Science Toolkit: Grade 7 Objective 3.A.1.a

Student Handout: Science: Grade 7 Objective 3.A.1.a

Standard 3.0 Life Science

Topic A. Diversity of Life

Indicator 1. Compile evidence to verify the claim of biologists that the features of organisms connect or differentiate them-these include external and internal structures (features) and processes.

Objective a. Provide examples and explain that organisms sorted into groups share similarities in external structures as well as similarities in internal anatomical structures and processes which can be used to infer the degree of relatedness among organisms

Vascular - non vascular plants

Closed - open circulatory systems

Asexual - sexual reproduction

Respiration (lungs-gills-skin)

Digestion

Selected Response (SR) Item

Question

Use the following data table to answer the following:

Organism	Respiration	Reproduction	Circulation	Skeleton
1	Through a moist outer surface	Asexual	Closed	Internal
2	Through gills	Sexual	Closed	Internal
3	Through holes in outer surface	Sexual	Open	External
4	Through lungs	Sexual	Closed	Internal
5	Through an outer surface	Asexual	None	None

According to the data table, which two organisms are most closely related?

- A. 1 and 2
- B. 1 and 5
- C. 2 and 4
- D. 4 and 5

Correct Answer

C. 2 and 4

## Question

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